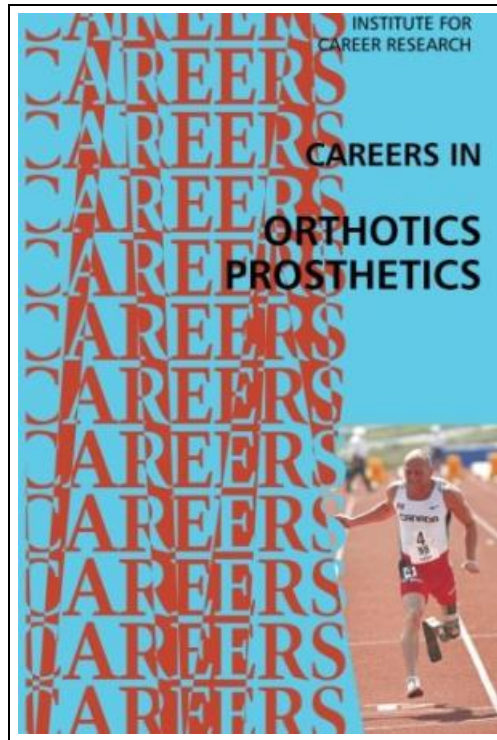


Careers in Orthotics-Prosthetics



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Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Orthotics and prosthetics is a unique component of the healthcare field that involves designing and fitting artificial limbs, braces, and other devices. Professionals in the field are often referred to as OP Practitioners. They work closely with people who have suffered from accidents, injuries, cancer, or other diseases, helping return them to an acceptable quality of life. Although related, orthotics and prosthetics are not the same. Orthotics involves the design and fabrication of external braces (orthoses) as part of a patient s treatment process. The orthotic device helps control weakened or deformed regions of the body including the upper and lower limbs, cranium, or spine. The most common orthotic devices are back braces and shoe inserts needed to live a more comfortable life. Orthotic intervention can be life changing - or even lifesaving - for patients with scoliosis, severe neck injuries, or cerebral palsy. Rather than supporting body parts, prosthetics involves replacing them. A prosthetist designs, creates, and fits artificial limbs on patients who are missing all or part of a limb. Creating a prosthesis requires a unique combination of art and technical skill. The prosthesis itself is much more complex than it may appear. It requires appropriate materials, alignment, design, and construction to match the functional needs of the individual that can vary greatly. Lower limb prostheses typically address stability in standing and walking, shock absorption, and aesthetics. In the case of patients who want to engage in athletic activities, the device must meet even more extraordinary functional needs. Upper limb prostheses are no less complex. You do not know how extraordinary the human hand is until you no longer are able to reach, grasp, and manipulate...



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